



# National Weather Service

## Storm Data and Unusual Weather Phenomena



September 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops	Character of Storm
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### ILLINOIS, Northwest

#### **Jo Daviess County**

**1 SW Galena**      **07**      **1725CST**           **0**      **0**           **Thunderstorm Wind (E52)**  
Thunderstorm winds to 60 mph damaged farm outbuildings. Reported by law enforcement.

#### **Stephenson County**

**Lena**      **07**      **1800CST**           **0**      **0**           **Thunderstorm Wind (E52)**  
Thunderstorm winds gusting to 60 mph downed trees and damaged crops. Reported by Emergency Management.

#### **Stephenson County**

**1 E Orangeville**      **07**      **1810CST**           **0**      **0**           **Thunderstorm Wind (E52)**  
60 mph thunderstorm wind gust estimated by trained spotter.

#### **Carroll County**

**Savanna**      **07**      **1820CST**           **0**      **0**           **Thunderstorm Wind (E52)**  
Thunderstorm wind gusts to 60 mph downed trees and limbs. Reported by law enforcement.

Event summary for 9/7/01: (For additional details, see individual entries for the date)

A mesoscale convective system, or MCS, developed in central Iowa and progressed across eastern Iowa and far northwest Illinois. Bowing segments along the leading edge of the MCS produced damaging winds up to 70 mph, isolated reports of large hail up to the size of a nickel, and locally heavy rain. High winds downed numerous trees and power poles, and damaged structures.

#### **Stephenson County**

**Freeport**      **20**      **2110CST**           **0**      **0**           **Urban/Sml Stream Fld**  
Route 26 near Reed Ave in Freeport reported closed due to standing water. Reported by law enforcement.

Event summary for 09/20/01:

A cold front over Central Iowa, combined with a strong upper level short wave trough moving through Eastern Iowa during the evening hours, and produced a broken line of thunderstorms from Northeast Iowa, through Northeast Missouri. Wind shear and strong instability aloft, helped a few of these storms produce very large hail over Eastern Iowa. The storms produced wind and hail, as well as heavy rain. Intense rainfall fell at nearly 2 inches per hour in parts of Southeast Iowa and Northwest Illinois. This intense rain resulted in urban flooding in Stephenson County, Illinois

### IOWA, East Central and Southeast

#### **Buchanan County**

**5 SW Aurora to**      **06**      **1705CST**           **3.5**      **40**           **0**      **0**      **100K**      **Tornado (F0)**  
**1.5 SW Aurora**      **1710CST**  
Tornado reported by emergency manager.

#### **Buchanan County**

**.3 SW Aurora to**      **06**      **1730CST**           **1**      **50**           **0**      **0**      **300K**      **Tornado (F2)**  
**.8 NE Aurora**      **1750CST**  
Tornado reported by emergency manager

Event Summary for 09/06/01:

A strong short wave trough in the upper level atmosphere, moved northeast through Iowa and Wisconsin during the afternoon and evening hours. This wave of energy helped thunderstorms, which were moving along a warm front in northeast Iowa, become strong. Despite the lack of convective available potential energy, ample moisture and wind shear along the front allowed thunderstorms within this area of rain to rotate and produce a few short lived tornadoes. One storm in Buchanan County Iowa, produced two tornadoes as it quickly moved northeast along the warm front

Here is a summary of the tornadoes which struck northeastern Buchanan County Iowa



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### IOWA, East Central and Southeast

At 605 pm CDT, an F0 tornado touched down 5 miles southwest of Aurora, Iowa, producing damage to the Ralph Kramer farm site. Several out buildings were damaged or destroyed. One empty grain bin was moved off of its foundation. The home only had minor damage, with some siding blown off. The tornado continued moving northeast, producing crop and tree damage as it crossed 142 street. At 625 pm, the tornado struck the Lonnie McAllister farm site, again damaging or destroying farm out buildings. This is also where the most significant crop damage was observed. The tornado then lifted, leaving a trail of some tin and other debris, as the storm moved northeast. This tornado was on the ground for 3.5 miles and was 40 yards wide at its widest point.

At 630 pm CDT, an F2 tornado touched down 0.25 miles southwest of Aurora and quickly moved across Aurora, producing damage to the roof of the American Legion building in Aurora. The tornado then struck the Ken Mosher home just east of Aurora. The tornado totally ripped off the roof and two car garage of this newer frame dwelling. The tornado then lifted 0.75 miles northeast of Aurora, and no other tornadoes from this storm touched down again until it had moved about a mile north into Fayette County, Iowa. This tornado was on the ground for 1 mile, and was 50 yards wide.

<b>Jones County</b> <b>Oxford Jct</b>	<b>07</b>	<b>1637CST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b> Penny sized hail reported by a trained spotter.
<b>Delaware County</b> <b>3 N Dundee</b>	<b>07</b>	<b>1645CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (E52)</b> Thunderstorm winds estimated at 60 mph downed trees at Backbone State Park. Reported by law enforcement.
<b>Dubuque County</b> <b>7 W Dubuque</b>	<b>07</b>	<b>1700CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (E52)</b> Thunderstorm wind gust of 60 mph estimated by trained spotter.
<b>Louisa County</b> <b>Wapello</b>	<b>07</b>	<b>1810CST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b> Nickel sized hail reported by trained spotter.
<b>Benton County</b> <b>Belle Plaine</b>	<b>07</b>	<b>2125CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (E61)</b> Thunderstorm wind gust of 70 mph estimated by Emergency Management.
<b>Benton County</b> <b>Belle Plaine</b>	<b>07</b>	<b>2130CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (E61)</b> Thunderstorm winds estimated at 70 mph downed trees and power poles. Reported by Emergency Management.
<b>Iowa County</b> <b>Ladora</b>	<b>07</b>	<b>2150CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (E52)</b> Thunderstorm wind gust estimated at 60 mph. Reported by law enforcement.
<b>Benton County</b> <b>Garrison</b>	<b>07</b>	<b>2152CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (E52)</b> Thunderstorm wind gust estimated at 60 mph. Reported by Emergency Management.
<b>Iowa County</b> <b>1 NW Williamsburg</b>	<b>07</b>	<b>2200CST</b>			<b>0</b>	<b>1</b>			<b>Thunderstorm Wind (E52)</b> Thunderstorm wind gusting to 60 mph downed a tree, which fell on a person, who required treatment at a local hospital. Reported by law enforcement.
<b>Washington County</b> <b>Washington</b>	<b>07</b>	<b>2300CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (E61)</b> Thunderstorms winds up to an estimated 70 mph blew a portion of a roof off a theater. Another downtown building housing apartments and a business had most of its roof blown off. Large trees and power poles were also snapped. There were no injuries reported.

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### IOWA, East Central and Southeast

A mesoscale convective system, or MCS, developed in central Iowa and progressed across eastern Iowa and far northwest Illinois. Bowing segments along the leading edge of the MCS produced damaging winds up to 70 mph, isolated reports of large hail up to the size of a nickel, and locally heavy rain. High winds downed numerous trees and power poles, and damaged structures. One person was injured after thunderstorm winds blew a tree down on top of them.

#### **Keokuk County**

##### **Keswick**

20	1645CST	0	0	
1 inch hail reported by law enforcement				

#### **Jones County**

##### **5 W Monticello**

20	1839CST	0	0	
3 inch hail reported by public.				

#### **Van Buren County**

##### **Farmington**

20	1859CST	0	0	
Heavy Rain				

1.30 inches of rain in 45 minutes. Reported by storm spotter.

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### MISSOURI, Northeast

#### **Scotland County**

##### **Memphis**

20	1844CST	0	0	
Hail(1.00)				

1 inch hail reported by law enforcement

#### **Scotland County**

##### **5 E Memphis**

20	1850CST	0	0	
Hail(0.75)				

0.75 inch hail reported by storm spotter. Torrential rain and 40 mph wind gusts also reported

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